

group individuals for the prevalence of HIV infection through a network of surveillance centres.² As a part of such a surveillance programme 7050 high risk group individuals, namely 4957 STD clinic patients (3594 males and 1363 females, 1195 blood donors (1144 males and 51 females), 54 female prostitutes, 820 antenatal cases and 24 contacts of HIV infected cases, were screened to find the prevalence of HIV infection at Tirupati, a renowned Hindu pilgrim town in South India which is about 150 km from Madras and Vellore where a high prevalence of HIV infection has been reported.²

Serum samples were collected from these individuals and tested for the presence of HIV antibodies by ELISA using Wellcozyme brand kits. Repeatedly ELISA positive sera were subjected to a confirmatory Western Blot Test.

Out of 7050 samples screened, 50 were seropositive (0.71%). Among 3594 male STD patients, 31 (0.86%) were seropositive. However, among 1363 female STD patients who were either contacts or wives of male STD patients no HIV seropositivity was detected. In contrast to this, a high prevalence of HIV infection was found among 14 (25.92%) of 54 female prostitutes tested, which reinforces the belief that the risk of acquiring HIV infection is greater in persons having a large number of sexual partners.³ Out of 1144 male blood donors three (0.26%) were seropositive and among 51 female blood donors seropositivity was not noticed. Among 820 antenatal cases tested 2 (0.24%) were positive. None of the regular contacts or spouses of 50 HIV seropositive individuals were seropositive, thereby indicating seropositivity need not be associated with infectivity.⁴ The incidence of HIV seropositivity among high risk group individuals screened in different parts of India varies greatly from 0.03% to 0.54%.⁵ Factors like life style, nutritional status, nature of infectious co-factors and differences in the genetic make up may be responsible for such variations.⁶

Globally now there are several ongoing studies to define the spectrum of seropositive cases both in rural and urban areas. HIV infection and AIDS cannot be controlled anywhere if efforts are not made everywhere. There is hope that the future will permit control and cure if not eradication of HIV infection.

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1 Gottlieb MS, Schroff R, Schanker HM, *et al.* Pneumocystis carinii pneumonia and mucosal candidiasis in previously healthy homosexual men. Evidence of a new acquired cellular immuno deficiency. *N Engl J Med* 1981;305:1425-31.

- 2 Medappa N. HIV infection—Ongoing studies and future research plans. *ICMR Bulletin* 1989;19:115-29.
- 3 Simonsen JN, Cameron DW, Gakinya MN, *et al.* Human Immuno deficiency virus infection among men with sexually transmitted diseases. *N Engl J Med* 1988;319:274-8.
- 4 Burger H, Weiser B, Robinson WS, *et al.* Transmission of LAV/HTLV Type III in sexual partners. *Am J Med* 1986;81:5-10.
- 5 Pavri K. HIV disease in India an update (Indian Council of Medical Research). *CARC Calling* 1990;3:30-34.
- 6 Haverkos HW. Factors associated with the pathogenesis of AIDS. *J Infect Dis* 1987;156:251-7.

Endemic syphilis in Bulgaria

Between 1958 and 1962 an eradication campaign against endemic syphilis, using 10 to 15 days course of injectable penicillin, was carried out in Bulgaria. The subjects were predominantly of Moslem Turkish origin. In all 608,816 persons were examined and serological tests for syphilis performed. Of these persons 6,290 (1.0%) were found to have endemic syphilis.

To see if the previous campaign had been successful, a further study was made between October 1989 and March 1990 on 27,435 Bulgarian Moslems of the same background as the group of 1958-1962. A total of 23 persons were found to have positive serological results of whom four were due to primary, secondary or early latent syphilis, leaving 19 (0.07%) of 27,435 who were thought to have endemic syphilis.

The frequency of endemic syphilis had diminished to one fifteenth of that in 1958-1962. The mean age of those with endemic syphilis was 56.3 years, 11 were men, eight were women. All were country dwellers with limited education. It is possible that some persons with endemic syphilis have died since the previous survey or emigrated to Turkey.

The conclusion is that endemic syphilis is more or less eradicated in Bulgaria. There may be factors in its disappearance other than medical intervention, such as a general increase in living standards.

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Incidence of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* infections in Strasbourg over 8 years

As described in many western countries, the incidence of sexually transmitted diseases (STD) has been decreasing since 1980 and this phenomenon is assumed to be related chiefly to the emergence of HIV infections.¹